

Life Skills Ties

Domain: Thinking and Reasoning

Level: 5-12

Title: Number Grid

Time Allocation: 15 minutes

Materials: 60 numbered paper plates

Number paper plates 1-60 and place them on the ground in a grid arrangement as follows:

9	41	33	29	1	10	42	34	30	2
49	17	13	21	53	50	18	14	22	54
5	25	37	45	57	6	26	38	46	58
12	44	36	32	4	11	43	35	31	3
52	20	16	24	56	51	19	15	23	55
8	28	40	48	60	7	27	39	47	59

Divide your group into equal teams. Allow one team to study the grid for 2 minutes, then on the "go" command players will enter the grid and hold up each plate in consecutive order, calling out the number on the plate, then turning it upside down and carefully replacing it. Record the time it takes to get to 60. Then repeat the procedure each of the other teams. Repeat the exercise again for each team to see if they can better their time.

Questions:

What process did you determine to reach your goal? Why?

How did you improve your time?

Do you see any pattern in the grid? How does this help?

What thinking and reasoning skills were used to solve the problem?



